

# MATERIAL SAFETY DATA SHEET

Trade Name: Heavy Duty Liquid Laundry Detergent #8800

Prepared: August 28, 2000

Revised: March 2004

## Section I: - Source Information:

Manufacturer's Name: Michigan State Industries, Inc.  
Address: Scott Correctional Facility  
Emergency Phone: (734) 459-7400 x311 / 320  
(800) 222-1222 Poison Control  
Technical Information: (734) 459-7400 x311 / 320  
Chemical Name: Detergent

## Section II - Hazardous Ingredients/Identify Information:

<u>Hazardous Components</u>	<u>CAS No.</u>	<u>OSHA PEL*</u>	<u>ACGIH TLV*</u>	<u>Percentage</u>
NONE				

\*Exposure limits expressed as eight-hour time-weighted average concentrations in parts of contaminant per million parts of air by volume (ppm). "Other Limits" are recommended by the National Institute for Occupational Safety and Health (NIOSH) and are time-weighted over ten hours unless otherwise specified.

## Section III - Physical/Chemical Characteristics:

<u>Boiling Point:</u>	<u>Specific Gravity:</u>	1.07
<u>Vapor Pressure:</u>	<u>Vapor Density:</u>	N/A
<u>Evaporation Rate: (Ethyl Ether = 1):</u>	<u>pH:</u>	12.0
<u>Solubility in Water:</u>		
<u>Appearance and Color:</u>	Thick green liquid with lemon-lime odor	

## Section IV- Fire and Explosion Hazard Data:

Flash Point: None Flammable Limits: LEL: N/A UEL: N/A  
Extinguishing Media: Carbon dioxide, foam, water, dry chemical  
Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus and protective clothing.  
Unusual Fire and Explosion Hazards:

NFPA 704

Health -	1	HAZARDS 4 - Extreme 3 - Severe 2 - Moderate 1 - Slight 0 - None
Fire -	0	
Reactivity-	0	

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**Section V - Reactivity Data:**

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Stability: STABLE

Incompatibility (Conditions to avoid): Strong acids and oxidizers

Hazardous Polymerization: None known

Hazardous Decomposition Products: May release carbon monoxide, carbon dioxide and oxides of sulfur, sodium, potassium.

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**Section VI - Health Hazard Data:**

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Routes of Entry: Contact

Health Hazards:     *Acute:*                     Irritation

*Chronic:*               None Known

*Target Organs:* Eyes, skin

Carcinogenicity:    *NTP:* No               *IARC:* No               *OSHA:* No

Signs and Symptoms of Exposure: Eye and skin irritation

Medical Conditions Generally Aggravated by Exposure: Dermatitis

Emergency and First Aid Procedures:

*Eye:*                     If this product contacts the eyes, immediately wash the eyes with large amounts of water, occasionally lifting the lower and upper lids. Get medical attention immediately.

*Swallow:*               If this product has been swallowed, get medical attention immediately.

*Skin:*                    If the product contacts the skin, wash the contaminated skin with water.

*Breathing:*            If a person breathes large amounts of this product, move the exposed person to fresh air at once. Other measures are usually unnecessary.

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**Section VII - Precautions for Safe Handling and Use:**

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Steps to be Taken in Case of Material Release or Spill: Contain and absorb spilled material, dispose of properly. Large spill may be collected using vacuum equipment, dispose of unusable material properly.

Waste Disposal Method: This product is not listed in the federal hazardous waste regulations 40CFR 261.33, paragraphs (e) or (f), i.e. chemical products that are considered hazardous if they become wastes. It does not exhibit any of the hazardous characteristics listed in 40CFR 261, Subpart C. State or local hazardous waste regulations may apply if different from federal.

Precautions to be taken in Handling and Storing:

Other Precautions:

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**Section VIII - Control Measures:**

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Respiratory Protection: Not required under normal conditions. Use NIOSH-approved respirator appropriate for emission levels.

Ventilation: General ventilation is adequate. Use exhaust fan if necessary.

Protective Gloves: Use chemically resistant gloves

Eye Protection: Safety glasses with shields or goggles to avoid eye contact.

Other Protective Clothing or Equipment:

Work/Hygienic Practices: Wash hands after use.

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**Section IX - Additional Information:**

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DOT Shipping Name: N/A

Hazard Class: N/A

This product contains the following compounds which are subject to the reporting requirements of Section 313 of Title III of SARA and 40 CFR 372:

<u>Constituent</u>	<u>CAS #</u>	<u>Concentration</u>
NONE		

This notification of reporting requirements cannot be removed from this MSDS and the copying and redistribution of this document must include this notice.

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originated with Michigan State Industries, Inc. or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.